

**MEMORANDUM OF UNDERSTANDING
BETWEEN
AIR FORCE SPACE COMMAND
AND
THE UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY**

I. OBJECTIVE

By entering into this memorandum of understanding (MOU), both Air Force Space Command (AFSPC) and the U.S. Department of Interior (DOI), U.S. Geological Survey (USGS) hope to mutually benefit from each of their respective programs which will result in the application of the most cost effective technology to accelerate development of regional geospatial databases. These databases will benefit AFSPC installations, local city/county/state agencies and the USGS *National Map* to achieve effective mapping and visualization of critical infrastructure for multi-jurisdictional homeland security, emergency response and consequence management.

- A. The objective of this MOU is to establish policies and administrative procedures that will facilitate cooperation and coordination between AFSPC and the Department of Interior, USGS in development of regional geographic information data sets for the purpose of sharing of mapping Information between AFSPC military installations and various city, county, state, tribal and federal agencies.
- B. Addendums between the AFSPC and USGS will be developed pursuant to this MOU to define specific undertakings. Such addendum\$ will define scope of work, responsibilities of both AFSPC and USGS, products to be developed, funds transfer or other efforts deemed appropriate subject to applicable laws and regulations pertaining to the respective parties and the availability of funds.

II. PURPOSE/SCOPE

AFSPC and USGS jointly enter into this MOU to support the following: 1) establish planning and operational cooperation, 2) expedite and formalize information sharing procedures and processes, and 3) establish procedures for working with local communities and state agencies to develop regional Geographic Information System (GIS) data which will meet both the needs of AFSPC, USGS, civil and tribal authorities.

A. AFSPC

AFSPC's mission is to defend the United States through control and exploitation of air and space. Mission execution depends on the ability to prevent and, respond to any and all threats to AFSPC bases. AFSPD 10-25, *Full Spectrum Threat Response*, requires AFSPC bases to establish joint response capabilities with neighboring civilian emergency service agencies. Effective emergency

response depends on a decision maker's ability to visualize the event location for situational awareness, emergency response and consequence management. Both AFSPC and civilian decision makers need common geospatial data standards and platforms to see these common event pictures.

B. USGS

USGS serves the nation by providing reliable scientific information to describe and understand the Earth, minimize loss of life and property from natural disasters; manage water, biological, energy and mineral resources; and enhance and protect our quality of life.

USGS shall provide technical personnel and resources to AFSPC to facilitate the purpose and scope of this agreement. Participation from USGS is provided by following the USGS mission to meet AFSPC requirements. USGS conducts research, monitoring and assessments to contribute to understanding America's land, water and biological resources. USGS provides reliable, impartial information to the citizens of this country and to the global community in the form of maps, data and reports containing analyses and interpretations of water, energy, mineral and biological resources, land surfaces, marine environments, geologic structures, natural hazards and dynamic processes of the Earth. USGS data and information are used daily by managers, planners and citizens to understand, respond to and plan for changes in the environment

III. AUTHORITIES

This MOU does not supersede or void existing memoranda of understanding or other agreements between the Air Force and USGS.

This MOU applies to homeland security and defense of the United States, its territories and additional AFSPC areas of responsibility. The provisions of the MOU are in accordance with the Economy Act of 1932, as amended (31. U.S.C. §1535), OMB Circulars A-16, A-25, A-119 and A-130 and Executive Order 12906.

USGS authorities providing emergency geospatial information are also established in the Federal Response Plan, an implementation of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended (42 U.S.C. 1521 et seq.) and under the Chairman, Joint Chiefs of Staff CONPLAN 0500; where DOI/USGS is identified as the primary geospatial provider within the continental United States (CONUS).

IV. RESPONSIBILITIES

- A. Upon execution of this MOU, each party will designate a primary point of contact who shall be responsible for the implementation of this MOU. The points of contact will promote technical coordination, identify funding where necessary, transfer funds to appropriate entities and assist in preparation of addendums for agreed upon projects.

B. Specifically, USGS will:

1. Serve as a portal for AFSPC *public domain* geospatial data. This includes, but is not limited to, moving data into *The National Map*, sharing data with the intelligence community and documenting data with Geospatial One Stop.
2. Supply current Hazards U.S. (HAZUS) data in cooperation with Federal Emergency Management Agency (FEMA) to meet AFSPC and local community requirements for critical infrastructure in support of emergency planning and response.
3. Serve as the broker for civil agencies data to AFSPC through *The National Map* which will include but not be limited to identification of data sources, civilian contacts with the Geographic Information System (GIS) community and other local, state, tribal and federal agencies.
4. Identify USGS state liaisons and mapping partnership office leads who will work with local AFSPC personnel.
5. Ensure that non-Department of Defense (DoD) geospatial data will be interoperable with AFSPC data through the use of Spatial Data Standards for Facilities, Infrastructure and Environment (SDSFIE).

C. AFSPC will provide controlled access to installation geospatial data, defined as the GeoBase common installation picture, necessary to support emergency responders.

D. Details of support for specific tasks, including funding, project plans, designation of cooperative work and details of program management and execution will be contained in individual addendums. AFSPC and USGS program officials will communicate directly with one another during the planning and execution of these addendums.

V. PERIODIC REVIEW BY DESIGNATED OFFICIALS

AFSPC and USGS will provide for management overview of their cooperative programs and projects undertaken pursuant to this MOU. To this end, the designated points of contact shall meet at least once annually to exchange information concerning:

A. Long range programs to be conducted hereunder including, but not limited to anticipated funding and technological needs.

- B. Proposed projects between AFSPC and USGS for the next fiscal year, including anticipated funding estimates.
- C. Status and results of projects undertaken pursuant to this MOU and subsequent agreements.
- D. Recommendations for improving effectiveness of cooperation of the parties.

VI. ADMINISTRATION

It is the policy of AFSPC and USGS to make the results of work contemplated by this MOU available to the public consistent with applicable security and governing regulations, as described below:

A. Financial Policy

It is recognized that both AFSPC and USGS have specific statutory requirements and limitations that dictate financial policies. Accordingly, nothing in this MOU shall commit or be construed to commit any AFSPC or USGS funds to carry out the terms of this agreement.

B. Program Funding

The details of the level of funding from one party to the other will be developed in project specific addendums, if necessary. AFSPC and USGS will provide mutual support in budget justifications. The parties agree that to the extent any provisions of this agreement call for the expenditure of appropriated funds, such provisions shall be subject to the availability of funds appropriated by Congress for such purpose.

C. Public Information Coordination

Subject to the Freedom of Information Act (5 U.S.C. §552), decisions on disclosure of Information to the public regarding projects and programs implemented under this MOU will be made following consultation between AFSPC and USGS representatives.

D. Amendment and Termination

This MOU may be modified and amended or terminated by mutual agreement of the parties in writing and signed by each of the parties hereto. This MOU may be terminated by either party upon 90 days written notice to the other party.

E. Effective Date

This MOU will become effective upon the date of signature of the second party to execute the MOU and will continue in force for 5 years or until modified or terminated as provided in paragraph VI.D.

VII. APPROVALS

ACCEPTED AND APPROVED FOR THE
UNITED STATES GEOLOGICAL SURVEY:

By: Signed 01/18/05 – Charles G. Groat

CHARLES G. GROAT
Director, U.S. Geological Survey

Date: 1/18/05

ACCEPTED AND APPROVED FOR
AIR FORCE SPACE COMMAND:

By: Signed 12/09/04 – Daniel P. Leaf

DANIEL P. LEAF
Lieutenant General, USAF
Vice Commander

Date: 12/09/04

United States Department of the Interior

**U.S. Geological Survey
Reston, Virginia**

In Reply Refer To:
Mail Stop 516
#20040333

Lieutenant General Daniel P. Leaf
Vice Commander, Air Force Space Command
150 Vandenberg Street, Suite 1105
Peterson AFB, Colorado 80914-4020

Dear General Leaf:

This letter is in response to your letter of March 29, 2004, regarding the establishment of a Memorandum of Understanding (MOU) on data sharing and related subjects between our two agencies. I fully support the establishment of the proposed MOU, and have already directed my staff to work closely with your identified point-of-contact. My understanding is that our staffs have now met together on this subject, and are working a collaborative effort to develop technical requirements for this data sharing and technology integration initiative.

The National Map is a true national resource that will benefit from building further cooperation between military and civilian agencies at all levels of government. This effort elevates the provision of homeland security for the country by integrating multi-jurisdictional response capabilities. The current data sharing and technology integration effort that your command is conducting in the Colorado Springs region is truly a model effort, and we take our role in it seriously. In addition, our work together can indeed create a national model for regional geospatial data sharing that goes far beyond what is commonly in place across the country, and forms the framework for similar efforts for other Space Command locations. *The National Map is the natural integrator of this information.* The work of the U.S. Geological Survey in this effort is consistent with our mission and our role as the geospatial provider for the country--a role we have held for 125 years.

My staff will continue to work on this effort with your Emergency Services Division, AFSPC/CEX. Our point-of-contact is Dr. James T. O'Kelley, at 703-648-4522.

Sincerely,

Charles G. Groat (Signed April 28, 2004)

Director

**DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE SPACE COMMAND**

.March 29, 2004

Lieutenant General Daniel P. Leaf
Vice Commander
150 Vandenberg Street, Suite 1105
Peterson AFB CO 80914-4020

Dr. Charles G. Groat
Director, U.S. Geological Survey
12201 Sunrise Valley Drive, Office #7A412
Reston V A 20912-0002

Dear Dr. Groat

Over the past year, we worked closely with North American Aerospace Defense Command (NORAD)/US Northern Command (USNORTHCOM) and your U.S. Geological Survey (USGS) liaisons, Ms. Sherry Durst and Mr. Lee Aggers, to facilitate the sharing of mapping information between Air Force Space Command (AFSPC) front-range military installations and various city, county, state and federal agencies in the Colorado Springs region. Colorado Springs is one of 134 urban areas identified by the Department of Homeland Security as a national priority for imaging and mapping. This effort promises to significantly enhance our mutual homeland security planning and response capabilities.

As lead agency for the development of *The National Map*, you are in the unique position to capitalize on the current mapping efforts underway in the Colorado Springs region and facilitate the establishment of a national model for regional geospatial data sharing between military and civilian agencies. In the coming year, a number of our exercises require joint military and civilian emergency planning and response. USGS is crucial to these efforts.

AFSPC would like to establish a Memorandum of Understanding/Memorandum of Agreement that would allow us to work cooperatively on data sharing. We would like to pursue a meeting on this subject in early April 2004 between our staffs. Our point of contact is Lt Col Thomas Laffey, Chief, Emergency Services Division, (719) 554-5137.

Sincerely

Daniel P. Leaf (Signed 03/29/05)

Lieutenant General, USAF

cc:

Ms. Barbara J. Ryan, U.S. Geological Survey
Mr. Martin Eckes, U.S. Geological Survey
Dr. Thomas J. Casadevall, U.S. Geological Survey
Dr. Max M. Ethridge, U.S. Geological Survey